

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 2001057782
PUBLICATION DATE : 27-02-01

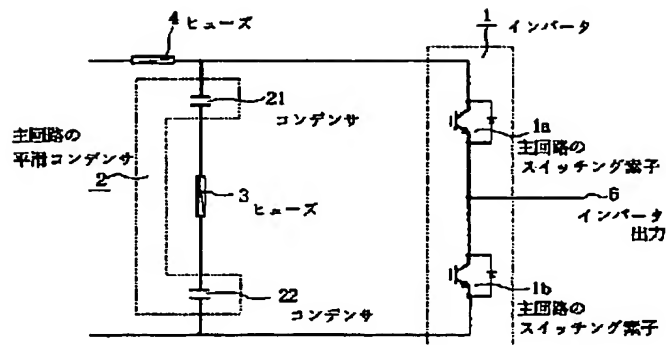
APPLICATION DATE : 11-08-99
APPLICATION NUMBER : 11227978

APPLICANT : YASKAWA ELECTRIC CORP;

INVENTOR : TANAKA YOSHIYUKI;

INT.CL. : H02M 7/48 H02M 7/5387

TITLE : POWER CONVERTER



ABSTRACT : PROBLEM TO BE SOLVED: To obtain a power converter, whose main circuit wiring has only one fuse on its P-side or N-side, and further, which can eliminate problems in regard to cost, and further the size.

SOLUTION: A power converter, which includes from a rectification circuit to a voltage-type inverter via a smoothing circuit, has a fuse 3 inserted between 1st and 2nd smoothing capacitors 21 and 22, which divide the Dc bus-bar voltage of the inverter 1 into two exact half voltages. Connections in a circuit, comprising the smoothing capacitor 21, the fuse 3 and the smoothing capacitor 22, are composed of solid wires or stranded wires, and moreover, a power converter has two fuses 31 and 32 inserted between the smoothing capacitors 21 and 22 in the NPC inverter, and the connection point between both the fuses is used as a neutral point. In addition, the fuses 31 and 32 are formed integrally, and a terminal (neutral point) is provided at the center point of the two fuses to obtain a 3-terminal fuse.

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